

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A flow rate measuring device comprising:
a sub-passage installed in a main passage through which a fluid flows;
a detection element installed in the sub-passage and capable of measuring a flow rate of a gas flowing in a forward direction and a flow rate of a gas flowing in a backward direction, the detection element provided with a sub-passage upstream temperature measuring resistor and a sub-passage downstream temperature measuring resistor, the sub-passage having an outlet opening in a radial direction of the main passage and a bent portion at least upstream of the detection element; and

introducing means provided near the outlet of the sub-passage and at a peripheral portion of the outlet of the sub-passage to introduce backward flow of the main passage into the sub-passage through the outlet.

2. (Previously presented) A flow rate measuring device according to claim 1, wherein the introducing means introduces the backward flow into the sub-passage through the outlet by a dynamic pressure generated by the backward flow.

3. (Original) A flow rate measuring device according to claim 1, wherein the sub-passage has the bent portion between the outlet and the detection element.

4. (Previously presented) A flow rate measuring device according to claim 2, wherein the introducing means is a stepped portion defining a side surface

which is set higher downstream of the outlet in the backward direction than upstream of the outlet in the backward direction.

5. (Original) A flow rate measuring device according to claim 4, wherein the introducing means is constructed to facilitate the introduction of the backward flow more than the forward flow.

6. (Original) A flow rate measuring device according to claim 5, wherein the introducing means blocks the forward flow from entering into the sub-passage through the outlet.

7. (Original) A flow rate measuring device according to claim 6, wherein the sub-passage is constructed of at least two members and the introducing means is formed on only one of the two members.

8. (Original) A flow rate measuring device according to claim 6, wherein the introducing means is formed in the main passage.

9. (Original) A flow rate measuring device according to claim 8, wherein a length of a part of the sub-passage from an inlet of the sub-passage to the detection element is almost equal to a length of another part of the sub-passage from the detection element to the outlet of the sub-passage.

10. (Original) A flow rate measuring device according to claim 9, wherein the outlet is formed at two locations, the detection element is formed on one surface of a substrate, and the introducing means is provided only near the outlet that is formed on the same side as the one surface of the substrate.

11. (Canceled)

12. (New) A flow rate measuring device according to claim 1, wherein a width of the introducing means with respect to the backward direction is larger than a width of the outlet of the sub-passage.